

Hip Joint Case, 58 days after the Amputation.

See page 9. Appendix

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REPORT

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Interesting Surgical Operations,

PERFORMED AT THE

U. S. A. GENERAL HOSPITAL,

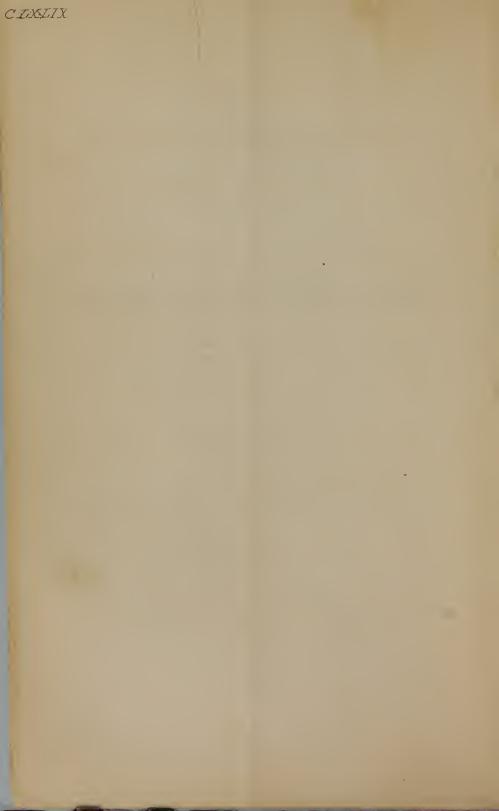
BEVERLY, NEW JERSEY.

BY

C. WAGNER, ASS'T SURGEON U. S. A.

COMMANDING HOSPITAL.

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REPORT

OF

INTERESTING SURGICAL OPERATIONS

PERFORMED AT THE

U. S. GENERAL HOSPITAL,

BEVERLY, NEW JERSEY.

During the past five or six months many interesting capital operations have been performed at the hospital under my charge, by my assistants and myself.

August and September brought us a large number of cases of frightful wounds received at the battle of Deep Bottom, Va., and in the numerous engagements before Petersburg, the worst cases I have ever seen off the field of battle. Hospital gangrene and sloughing wounds prevailed among them; both, however, were successfully dealt with by being promptly removed to the tent wards, and adopting the plan of treatment described by Dr. Paekard in his article on Hospital Gangrene, which appeared in the January number, 1865, of the Am. Jour. Med. Sciences, viz: thorough removal of the slough by the scissors or knife, sugar dressing, bromine or permanganate of potash, although the two last named agents I do not think essential for the success of the treatment.

The mortality consequent upon the operations recorded in the accompanying table may appear at first glance unusually large, but if we take into consideration the fact that the sufferers were brought hither on transports, having previously undergone the severities incident upon a long and tedions campaign, that after receiving their wounds, many of them necessarily failed to obtain either proper food or care upon the field of battle, the result will then compare favorably with similar operations performed under more fortunate circumstances.

REPORT OF SURGICAL OPERATIONS AT THE U.S. A. GENERAL HOSPITAL, BEVERLY, N. J.

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	RATOR	C. Wagner, Ass't Surg. U. S. A.	Ass't Surg U. S. A.	Ass't Surg U. S. A.	Vagne	Vagne s't Sur S. A.
	OPE	C. V Ass U.	C. V Ass U.	C. V Ass U.	C. T. O. T.	G. T. O. T.
	PROGRESS (REMARKS) OPERATOR. RESULT.	Died Sept. 28, 1864. (See appendix.)	Progress favorable, pa- G. Wagner, tient recovered with a Ass't Surg, very useful arm. (See appendix)	Patient recovered in C. Wagner, two months with use- Ass't Surg ful arm.	Patient discharged the C. Wagner, service in three Ass't Surg. months with useful U. S. A. arm.	Recovered Fcb. 22, with every prospect of having a useful arm. (See appendix.)
	DATE.	Sept. 27, 1864.	Oct'r 18, 1864.	Sept. 12, 1864.	Aug. 31, 1864.	Dec'r 11, 1864.
EXCISIONS.	OPERATION.	Exeision of head, neck, and a portion of tro- chanter major.	Sinuses Excision of head and 11 Octr 18, unheal-inches shaft of humerus.	Excision 4 inches shaft of ulna.	Excision of inner condylc of humerus and olceranon of ulna.	Excision of olecranon and 2½ inches shaft of ulna.
EXC	CONDITION AT THE OPERATION.	Soft parts in a sloughing condition. Pulse 115 and weak. Appetite wanting.		G. S. W. left forcarm, Soft parts sloughing, Excision 4 inches shaft Sept. 12, Patient recovered in C. Wagner, fracturing ulna. One portions of ulna exposed and necrosed. One posed and necrosed.	Joint swollen and painful. Sinuses discharging unhealthy pus.	pper Soft parts sloughing, Two upper part of ulna exposed and necrosed.
	AGE, CAUSE AND DURATION.	G. S. W. right thigh, Soft parts in a sloughing Excision of head, neck, Sept. 27, fracturing head and condition. Pulse 115 and a portion of tronneck of femur. One and weak. Appetite chanter major.	18 G. S W. right shoul- Joint painful. der, fracturing head discharging of humerus. Nine-thy pus.	G. S. W. left forearm, fracturing ulna. One month.	G. S. W. left elbow Joint swollen and pain- Excision of inner conjustification of inner conjusti	G.S. W. injuring upper Soft parts sloughing, Excision of olecranon part of ulua Two upper part of ulua Two posed and necrosed. Assit Surg. Bagnar, part of ulua Two upper part of ulua. Two upper part of ulua. Two under necrosed. Isomorphis. Isomorphis.
	AGE.	90 90	18	53	51	C3
	NAME.	J. Z.) H. P.	P. B.	0. B. P.	W. R. C.
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REPORT OF SURGICAL OPERATIONS AT THE U.S. A. GENERAL HOSPITAL, BEVERLY, N. J. AMPUTATIONS.

	OPERATOR.	A. A. S.	Morton, A.	Snively,	dorton, A.	Wagner, Ass't Surg. U. S. A.
		29, E. B. A.	664. J. C. J. A. E.	26, J. N. Sn A. A. S.	4. J. C. M. A. S.	gh- C. Way
	PROGRESS (REMARKS) EESULT.	Recovered October 1864.	Died October 30, 18	Recovered Nov'r 26, J. N. Snively, A. A. S.	Died Nov'r 8, 1864. J. C. Morton, A. A. S.	Sep 12. soft parts slough- C. Wagner, Ass't ing, bones protruding Surg. U. S. A. Arm amputated lower 3d, by circular operation, Sept. 18. Recovered Oct. 19, '94.
	DATE.	Sept. 15, 1864.	Oct'r 24, 1864.	Oet'r 29, 1864.	Oct'r 28, 1864.	Aug. 28, 1864.
STOTISTIC TEXTS	OPERATION.	Amputation arm, upper third by circular operation.	Amputation fore- arm—middle 3d by antero poste- rior skin fiaps.	Amputation fore- arm—middle 3d by antero poste- rior skin flaps.	Amputation fore- arm—middle 3d by antero poste- rior skin flaps.	Amputation fore- arm—middle 3d by antero poste- rior flaps.
	CONDITION AT THE OPERATION.	Joint swollen and painful—sinuses discharging unhealthy pus—bones necrosed.	Joint swollen and painful, discharging unhealthy pus—bones, necrosed.	Bones necrosed — soft parts sloughing—se- condary hemorrhage.	Joint swollen and pain- ful—sinuses discharg- ing fætid pus.	Joint swollen and pain- ful—sinuses discharg- ing unhealtby pus.
	AGE, CAUSE AND DURATION.	6. S. W. right elbow, Joint swollen and pain- Amputation arm, fracturing humerus full—sinuses discharg- upper third by and oleeranon of ulna bones necrosed. Sept. 15, Recovered October 29, E. B Woolston, and oleeranon of ulna ing unhealthy pus— circular operation.	G. S. W. left wrist joint, Joint swollen and pain- Amputation fore- fracturing radius and ful, discharging un- arm—middle 3d ulna 18 days. G. S. W. left wrist joint, Joint swollen and pain- Amputation fore- fracturing radius and ful, discharging un- arm—middle 3d 1864. A. S. Morton, A. A. S. netrosed.	G. S. W. loft hand, frac-Bones necrosed—soft Amputation foreturing carpal bones. parts sloughing—serarm—middle 3d 1864. 28 days. condary hemorrhage. by antero posterior skin flaps.	G.S.W. left wrist joint, Joint swollen and pain- Amputation fore- Octr 28, fracturing radius or ful—sinuses discharg- arm—middle 3d 1864. by antero postering feetid pus.	G. S. W. left wrist joint. Joint swollen and pain- Amputation fore- 12 days. Ing unhealthy pus. In the factor of the state of the sta
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	NAME.	L. T. R.	J. S.	F. F.	Н. Р. В.	G. D.

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	OPERATOR.	J. C. Morton, A. A. S.	E. B. Woolston, A. A. S.	E. B. Woolston, A. A. S.	C. H. Alden, Ass't Surg. U. S. A.	J. C. Morton, A. A. S.
	PROGRESS (REMARKS) RESULT.	Nov. 21, secondary hemorrhage. Subclavian artery ligated by Dr. C. Wagner, U. S. A. Died Nov. 23,'64.	Recovered Oct. 29, 1864.	Recovered Oct. 6, 1864.	Recovered Dec. 6, 1864.	Died Oct. 30, 1864.
	DATE.	Nov. 11, 1864.	Sept'r 16, 1864.	Scpt'r 10,	Sept'r 10, 1864.	Oct'r 29, 1864.
	OPERATION.	Amputation of Nov. 11 arm at shoulder 1864. by lateral flaps.	Amputation of arm, upper 3d, by lateral flaps.	Amputation arm, upper third, by lateral flaps.	Amputation arm, upper third, by lateral flaps.	Amputation arm at shoulder by lateral flaps.
	CONDITION AT THE OPERATION.	Soft parts sloughing— bone necrosed—pa- tient failing.	Joint swollen and pain- ful—sinuscs discharg- ing unhealthy pus— bones necrosed.	Soft parts sloughing— secondary hemor- rhage.	Soft parts sloughing—secondary. hemorrhage.	Soft parts sloughing—sinuses discharging unhealthy pus.
The second secon	NAME. AGE. CAUSE AND DURATION.	23 G. S. W. left arm, frac- turing humerus, up- per third. Thirty three days.	24 G. S. W. right elbow, Joint swollen and pain- Amputation of Sept'r 16, Recovered Oct. 29, 1864. E. B. Woolston, fun-sinuses discharg- arm, upper 3d, and ulna. 1 month. bones necrosed.	21 G. S. W. right arm Soft parts sloughing— Amputation arm, Septr 10, Recovered Oct. 6, 1864. E. B. Woolston, A. A. S. A. S. rhage.	30 G. S. W. left arm, frac- Soft parts sloughing— Amputation arm, Sept'r 10, Recovered Dec. 6, 1864. C. H. Alden, turing humerus. 14 secondary. hemoruper third, by 1864. Secondary. Ass't Surg. U. S. A. Bas't Surg. U. S. A.	18 G. S. W. left arm, frac Soft parts sloughing— Amputation arm Octr 29, turing upper third of sinuses discharging at shoulder by 1864. humerus.
	AGE.		1 6	21	30	118
	NAME.	W. B. M.	. C.	Ż Ė	G. S. C.	T. D.

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	OPERATOR.	G. A. Chesley, A. A. S.	E B. Woolston,	G. A. Chesley, A. A. S.	E. B. Woolston,	J. C. Morton, A. A. S.
	PROGRESS (REMARKS) RESULT.	Recovered Dec. 3, 1864.	Recovered Scpt. 30, '64.	Jan. 10, soft parts stoughed, bonnes protrading. Jan. 16, leg amputated, middle 3d, by Dr. Morton. Feb. 21, recovered.	Recovered Nov'r 12, 1864.	Still under treatment, April 1, 1865.
,	DATE.	Oct'r 18, 1864.	Aug. 22, 1864.	Oct'r 22, 1864.	Sept'r 14,	March 4, 1865.
AMPUTATIONS	OPERATION.	Amputation arm, upper third, by lateral flaps.	Amputation of leg, upper third, by circular opera- tion.	Amputation foot by Symes' me- thod.	Amputation foot Sept'r 1 by Symes' me- thod.	Amputation right leg, middle 3d, by circular ope- ration.
AMPU	CONDITION AT THE OPERATION.	Soft parts sloughing—secondary hemorrhage.	Wound discharging fætid pus.	Soft parts sloughing—bones exposed and nc-crosed, feetid discharge.	Soft parts sloughing—bones exposed.	Foot and ankle badly crushed and lacerated
	GE. CAUSE AND DURATION.	G. S. W. right arm, Soft parts sloughing—Amputation arm, Octr 18, Recovered Dec. 3, 1864. G. A. Chesley, secondary hemoruper third, by 1864. A. A. S. A. S. Island, B. A. A. S. Island, B. A. A. S. S. Island, B. A. A. S. B. A. S. B. A. S. B. B. A. S. B. A. S. B. B. B. A. B.	21 G. S. W. left leg, frac-Wound discharging Amputation of leg, turing tibia. 10 days. feetid pus. circular opera-tion.	G. S. W. right foot, frac-soft parts sloughing—Amputation foot octr. 22, Jan. 10, soft parts sloughed, G. A. Chesley, turing tarsal bones, bones exposed and nc-by Symes' me-1864. Bleven weeks. crosed, feetid dis-thod.	G. S. W. left foot, frac-Soft parts sloughing—Amputation foot Sept'r 14, Recovered Nov'r 12, E. B. Woolston, by Symes' melangth. One month. A. A. S. E. B. Woolston, thod.	Foot crushed by being Foot and ankle badly Amputation right March 4, Still under treatment, J. C. Morton, A run over by a car, crushed and lacerated leg, middle 3d, 1865. April 1, 1865. A. S. March 4, 1865. April 1, 1865. A. S. Tation.
	AGE.	30	21	<u>4</u>	27	32
	NAME.	J. D.	W. H.	G. W. W.	A. C. S.	w.
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REPORT OF SURGICAL OPERATIONS AT THE U.S. A. GENERAL HOSPITAL, BEVERLY, N. J. AMPUTATIONS.

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	OPERATOR.	C.Wagner, Ass't Surg. U. S. A.	C.Wagner, Ass't Surg. U. S. A.	J. S. Waggoner, A. A. S.	J. S. Waggoner, A. A. S.	C. Wagner, Ass't Surg, U. S. A.	J. H. Packard, A. A. S.		
	PROGRESS (REMARKS) RESULT.	Died Sept. 28, from ex- haustion.	Stump sloughing, bones C. Wagner, Ass't protruding. Died Surg. U. S. A. Sept. 11, from exhaustion.	Died Sept. 30, 1864, of tetanus.	Died Nov. 24, from ex- J. S. Waggoner, haustion.	at knee joint by Sept'r 17, Died Sept'r 26, 1864, C. Wagner, Ass't from secondary he Surg, U. S. A. morrhage.	Jan. 1, stump sloughing. J. H. Packard, condyles of cenur protruding. Jan. 5, thigh amputa ed, lover 3d. Jan. 6, secondary hemorrhage, femondartery ligated by Dr. Morton. Died Jan. 7.		
	DATE.	Sept'r 26, 1864.	Aug. 26, 1864.	Sept'r 29, 1864.	Oet'r 8, 1864.	Sept'r 17,	Dec'r 25, 1864.		
	OPERATION.	Amputation of leg at knee joint by anterior flap.	Amputation of leg, upper third, by circular opera- tion.	Amputation of leg, upper third, by skin flaps.	Amputation of leg, middle third, by eireular operation.	Amputation of leg at knee joint by posterior flap.	Amputation of leg at knee joint by antero posterior skin flaps.		
)	CONDITION AT THE OPERATION.	oft parts sloughing, portion of tibia ex- posed and necrosed.	Soft parts sloughing, feetid discharge.	Condition of wound fa- vorable—patient suf- fering from tetanus.	Soft parts sloughing, bones neerosed.	Extensive slonghing of Amputation of leg soft parts—portion of at knee joint by tibia exposed and neposterior flap.	Hospital gangrene oe- eurred—lower part of tibia exposed.		
	AGE. CAUSE AND DURATION.	G. S. W. left leg, inju- of t parts sloughing, Amputation of leg Sept'r 26, Died Sept. 28, from ex. C. Wagner, Ass't portion of tibia ex- at knee joint by 1864. haustion. Surg. U. S. A. posed and neerosed.	G. S. W. right leg, frae-Soft parts sloughing, Amputation of leg, Aug. 26, turing tibia and tibu-fetid discharge, upper third, by 1864.	G. S. W. left leg, frac-Condition of wound fa-Amputation of leg, Sept'r 29, Died Sept. 30, 1864, of J. S. Waggoner, turing tibula. Six vorable—patient suf-upper third, by 1864.	G. S. W. left foot, frac-Soft parts sloughing, Amputation of leg, turing tarsal bones. Twenty-one days.	G. S. W. left leg, flesh. One month.	Chronic ulcers of ten Hospital gangrene oe- Amputation of leg Dee'r 25, eurred—lower part of at knee joint by 1864. skin flaps.		
	AGE.	45	ଙ୍ଗ	ග	67 60	23	গ্ল		
	NAME.	н. в.	C. H. C.	W. C.	J. K.	W. H. K.	H. U.		

REPORT OF SURGICAL OPERATIONS AT THE U.S. A. GENERAL HOSPITAL, BEVERLY, N. J. AMPUTATIONS.

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	OPERATOR.		J. C. Morton, A. A. S.			C.Wagner, Ass't Surg. U. S. A.	J. N. Snively, A. A. S.
-	PROGRESS (REMARKS) RESULT.	Patient did well until Oct. 17, when hemor- rhage recurred.	Secondary hemorrhage Ligature of femo-Oct'r 17, Ligature separated in J. C. Morton, and oct. blood lost. ral artery. 1864. ten days.	Amputation of Jan. 19, This operation was perthigh at hip 1865. formed by Dr. Packard. Hemorrhage recurred Jan. 27, 1865.	Secondary hemorrhage Ligature of exter- Jan. 27, Patient recovered March 3, 1865. —4 oz. blood lost. (See appendix & plate.)	Died Fcb. 18, 1865. (See appendix.)	Sept. 10, secondary hemorrhage occurred, femoral artery ligated in continuty. Died Nov'r 26, from exhaustion.
	DATE.	Sept'r 12,	Oct'r 17, 1864.	Jan. 19, 1865.	Jan. 27, 1865.	Feb. 17, 1865.	Oct'r 28, 1864.
	OPERATION.	Amputation of thigh, lower 3d, by circular ope- ration.	Ligature of femoral artery.	Amputation of thigh at hip joint.	Ligature of external iliac artery.	Amputation of Feb. 17 thigh at hip joint by anteroposterior flaps.	Amputation of thigh, lower 3d, by circular operation.
	CONDITION AT THE OPERATION.	19 G. S. W. right leg. frac. Soft parts sloughing— Amputation of Sept'r 12, Patient did well until turing head of tibia. Twenty-seven days. Thage—8 oz. blood by circular opelation.	Secondary hemorrhage —6 oz. blood lost.	Stump very much swoll- en, abscesses forming, necrosis extending to the head of femur.	Secondary hemorrhage—4 oz. blood lost.	44 G. S. W. left thigh, in- Necrosis extending to Amputation of Feb. 17, juring middle third of head of femur, ablighing at his parterolation. Scesses forming.	18 G. S. W. left leg, frac-Soft parts sloughing, Amputation of turing fibula. Six-portion of tibia extendays. teen days. Amputation of Oct'r 28, 1864. posed and necrosed. ration.
	AGE, CAUSE AND DURATION	G. S. W. right leg, fracturing head of tibia. Twenty-seven days.				G. S. W. left thigh, injuring middle third of fenur.	G. S. W. left leg, fracturing fibula. Sixteen days.
	AGE.	19				44	18
	NAME.	E. E. S.	2			J. W.	G. H. P

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REPORT OF SURGICAL OPERATIONS AT THE U.S. A GENERAL HOSPITAL, BEVERLY, N. J. AMPUTATIONS.

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OPERATOR.	J. C. Morton, A. A. S.	J. C. Morton, A. A. S.	J. C. Morton, A. A. S	E. B. Woolston, A. A. S.	W.H.Covernton, A. A. S.
PROGRESS (REMARKS) RESULT.	of Sept'r 28, Oct. 12, stump slough- 3d, 1864. ing, secondary hem- orrhage, femoral ar- tery ligated, Died Oct. 17, from exhaus- tion.	Sept 23, secondary hemorrhage, femoral artery ligated in continuity. Died Sept. 28, from exhaustion.	Sept 23, secondary hemorrhage, femoral artery ligated in continuity. Died Sept. 26, from exhaustion.	Oct. 5, end of femur pro- E. B. Woolston, truding, soft parts A. A. S. sloughing. Died Oct. 18, from exhaustion.	Recovered January 15, 1865.
DATE.	Sept'r 28,	Sept'r 15, 1864.	Sept'r 16, 1864.	Aug. 28, 1864.	Nov'r 15, 1864.
OPERATION.	1 6. 0	Amputation of thigh, lower 3d, by circular ope- ration.	Amputation of thigh, lower 3d, by circular ope- ration.	Amputation of thigh, lower 3d, by circular ope- ration.	Amputation of thigh, lower 3d, by circular ope- ration.
CONDITION AT THE OPERATION.	G. S. W. left leg, frac- turing fibula. Thir- ty-six days.	20 G. S. W. right leg, frac- Joint swollen and pain- Amputation of Sept'r 15, Sept 23, secondary hemtaring head of tibia. Cone month. 20 G. S. W. right leg, frac- Joint swollen and pain- Amputation of Sept'r 15, Sept 23, secondary hemtaring head of tibia. turing head of tibia. by circular openation. This is sept 23, secondary hemtarion. tery lighted in continuity. The secondary hemtarion of Sept'r 15, Sept 23, secondary hemtarion.	39 G. S. W. left leg, frac. Joint swollen and pain. Amputation of turing head of tibia. Ing feetid pus. by circular oponemonth.	Soft parts sloughing.	G. S. W. left leg, frac-soft parts sloughing—Amputation of turing fibula. Two portion of tibia expectation. Two posed and necrosed. ration.
AGE, CAUSE AND DURATION.	G. S. W. left leg, fracturing fibula. Thirty-six days.	G. S. W. right leg, fracturing head of tibia.	G. S. W. left leg, fracturing head of tibia.	G. S. W. left leg, fracturing tibia and fibula, upper third. 12 days.	G. S. W. left leg, fracturing fibula. Two months.
AGE.	50	20	89	- 31	8.
NAME.	I. H. B.	T. J. O.	R C. H.	J. A. R.	A. S.

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REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N.	

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	OPERATOR.	J. N. Snively, A. A. S.	G. A. Chesley, A. A. S.	C.Wagner, Ass't Surg. U. S. A.	J. H. Packard, A. A. S.	J. S. Waggoner, A. A. S.
	PROGRESS (REMARKS) RESULT.	Recovered March 31, 1865.	Sept 15, secondary hemorrhage. Died.	Died October 4, from C. Wagner, Ass' recurring hemorrhage Surg. U. S. A.	Died Dec. 17, from ex- baustion.	Dec'r 6, Recovered February 16, J. S. Waggoner, 1864. A. A. S.
,	DATE.	Nov'r 22, 1864.	Sept'r 12,	Sept'r 28,	Nov'r 26, 1864.	Dec'r 6, 1864,
WILDING.	OPERATION.	Amputation of thigh, lower 3d, by antero-poste- rior flaps.	Amputation of thigh, lower 3d, by antero-poste- rior flaps	Re-amputation of of thigh, middle 3d, by circular operation.	Re-amputation of thigh, upper 3d, by antero-poste- rior flaps.	Amputation of thigh, lower 3d, by antero-poste rior flaps.
	CONDITION AT THE OPERATION.	Joint swollen and pain- ful—discharging un- healthy pus.	Soft parts sloughing.	Soft parts sloughing, end of femur exposed, se condary hemorrhage. Suffering also from secondary syphilis.	Soft parts sloughing—end of femur protrud-ing.	Amputation of left leg, End of bones protrud- Amputation of lower 3d, at Hampton ing and necrosed. High, lower 3d, thigh, lower 3d, thigh, lower 3d, by antero-poste 1864, because of 9c. S. W. Five months.
	AGE. CAUSE AND DURATION.	G. S. W. left leg, frac- Joint swollen and pain- Amputation of Nov'r 22, Recovered March 31, J. N. Snively, turing head of tibia. It healthy pus. Two months.	43 G. S. W. left leg. frac. Soft parts sloughing. Amputation of Sept'r 12, Sept 15, secondary hem. G. A. Chesley, turing tibia. 10 days. by antero-posterior flaps.	25 Amputation of left Soft parts sloughling, end Re-amputation of Sept'r 28, Died October 4, from C.Wagner, Ass't the field, for G. S. W. Suffering also from secondary sphilis.	Amputation of left Soft parts sloughing— thigh on fie.d, lower end of femur protrud- third, for G. S. W. ing. Six weeks.	Amputation of left leg, lower 3d, at Hampton Hospital, June 1864, because of G. S. W. Five months.
	AGE.	50	43	25	18	18
	NAME.	G. Y.	A. F.	C. McM.	D. K.	F. H. H

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	OPERATOR.	J. C. Morton, A. A. S.	J. C. Morton, A. A. S.	J. C. Morton, A. A. S.	J. C. Morton, A. A. S.	J. C. Morton, A. A. S.		
	PROGRESS (REMARKS) RESULT.	Ligature separated in 11 days. Recovered Oct. 26.	Hemorrhage recurred Oct. 21, from point of ligation. Subclavian ligated. Died Nov. 10—hemorrhage recuring.	Died Sept. 29, from ex- haustion.	Arm amputated immediately after ligation of artery, at shoulder joint, by Dr. Chesley. Recovered Oct. 30, 64	Died Sept 23, 1864, from exhaustion.		
1	DATE.	Sept'r 21,	Oct'r 12, 1864.	Sept'r 28, 1864.	Sept'r 26,	Sept'r 21, 1864.		
7	OPERATION.	Ligature of femoral artery in Scarpa's space.	Ligature of bra- chial artery, up- per third.	Ligature of femoral artery in Scarpa's space.	Ligature of subclavian artery.	Ligature of subclavian artery, and excision of head humerus.		
	CONDITION AT THE OPERATION.	Soft parts sloughing—secondary hemorrhage—10 oz. blood	Soft parts sloughing—secondary hemorrhage—10 oz. blood lost.	Secondary hemorrhage, 14 oz. blood lost.	Secondary hemorrhage, 6 oz. blood lost.	Secondary hemorrhage, 8 oz. blood lost.		
	NAME. AGE. CAUSE AND DURATION.	19 G. S. W. left leg, flesh. Soft parts sloughing—Ligature of femo-Sept'r 21, Ligature separated in recovered ary hemorary hemorary in a rtery in 1864. 11 days. Recovered lost.	G. S. W. right arm, Soft parts sloughing—Ligature of bra- octr12, secondaryhemor- chial artery, up- rhage—10 oz. blood per third.	25 G. S. W. left thigh, frac ² Secondary hemorrhage, Ligature of femo-Sept'r 28, Died Sept. 29, from exturing upper third of 14 oz. blood lost. Scarpa's space.	G. S. W. left shoulder, Secondary hemorrhage, Ligature of subcla- Sept'r 26, Arm amputated imme-fracturing neck of 6 oz. blood lost. scapula and head of humerus. 36 days. Recovered Oct. 30, 64	G. S. W. left shoulder, Secondary hemorrhage, Ligature of subcla- Septr 21, Died Sept 23, 1864, J. C. Morton, fracturing head of 8 oz. blood lost. A. A. S. humerus. 26 days.		
	AGE.	19	60	25	63	21		
	NAME.	E. W.	P. S.	Α. V.	J. T. P.	J. S.		

REPORT OF SURGICAL OPERATIONS AT THE U.S. A. GENERAL HOSPITAL, BEVERLY, N. J. LIGATURES OF ARTERIES.

				13			
	OPERATOR.	G. A. Chesley, A. A. S.	J. H. Packard, A. A. S.	J. H. Packard, A. A. S.	J. C. Morton, A. A. S.	J.C. Morton, A. A. S.	J. C. Morton, A. A. S.
TICES OF SECTION.	PROGRESS (REMARKS) RESULT.	Died Oct. 12, from rc- G. A. Cheeley, curring hemorrhage A. A. S. from point of ligation.	Recovered Oct. 14, 1864	Died Oct. 22, from re- J. H. Packard, curring hemorrhage A. A. S. from point of ligation	Died Nov. 17, from re- curring hemorrhage from point of ligation	Died Nov. 6, from re- curring hemorrhage.	Recovered Jan. 4, 1865.
	DATE.	Octr 7, 1864.	Sept'r 10, 1864.		Nov'r 10, 1864.	Nov'r 1, 1864.	Dec'r 17, 1864.
	OPERATION.	Ligature of common carotid artery, middle 3d.	Ligature of femoral artery in Scarpa's space.	Ligature of common carotid artery.	Ligature of external iliac artery.	Ligature of pro- funda femoris.	Ligature of femoral artery in Scarpa's space.
	CONDITION AT THE OPERATION.	Secondary hemorrhage, 10 oz. blood lost.	Soft parts sloughing, secondary hemorrhage, 6 oz. blood lost.	Secondary hemorrhage, 8 oz blood lost.	Soft parts sloughing, secondary hemorrhage, 6 oz. blood lost.	Secondary hemorrhage, 4 oz. blood lost.	Soft parts sloughing, secondary hemorrhage, 2 oz. blood lost.
	NAME. AGE. CAUSE AND DURATION.	G. S. W. right side of Scoondary hemorrhage, Ligature of comface, fracturing superior maxillary bone. Eight days.	G. S. W left thigh, Soft parts sloughing, se-Ligature of femo-Sept'r 10, Recovered Oct. 14, 1864 J. H. Packard, flesh. 22 days. 6 oz. blood lost. Scarpa's space.	G. S. W. right side of Secondary hemorrhage, Ligature of com- Octr 13, face, fract uring supe- 8 oz blood lost. mon carotid arriver maxillary bone. Thirteen days.	G. S. W. upper third of Soft parts sloughing, se-Ligature of exter-Nov'r 10, Died Nov. 17, from reright thigh—flesh condary hemorrhage, nal iliac artery. 1864. eurring hemorrhage. Three months.	G. S. W. left thigh, in-Secondary hemorrhage, Ligature of pro-Nov'r 1, Died Nov. 6, from rejuring femur. Ten weeks.	G.S. W. right leg in-Soft parts sloughing, se-Ligature of femo-Dec'r 17, Recovered Jan. 4, 1865. juring upper part of condary hemorrhage, ral artery in 1864. tibia. Four months. 2 oz. blood lost.
	AGE.	30	56	21	47	56	24
	NAME.	J. G. J.	P. H.	J. C.	G. W. H.	J. 3.	A. J. S.
		- 1			100	12	

APPENDIX.

SUMMARY.

AMPUTATIONS-JOINT CASES.

			Recovered.		vered.	Died.	Remarks.
Shoulder,					1	2	
Hip,					1	1	
Knee, .					0	3	
Ankle (Syr	ne	s)			2	0	In one of the ankle
							joint cases a second
							amputation at the
							lower third of leg be-
							eame necessary.

AMPUTATIONS IN CONTINUITY.

		Died.	
Arm, .		6	0
Fore-arm,		2	2
Thigh, .		4	9
Leg, .		3	3

LIGATION OF ARTERIES.

8 recoveries, 13 deaths. 21 total.

RESECTIONS.

Only five eases are recorded. The ease of resection of the oleeranon and $2\frac{1}{2}$ inches of the shaft of the ulna is still under treatment, and will recover with an useful arm. The other eases, viz: resection of the head of the humerus, elbow joint, and shaft of the ulna, recovered with very serviceable arms.

CASE OF RESECTION OF HEAD OF FEMUR.

Pvt. John Zabrouski, Co. H, 7th Conn. Vols., was wounded at the battle of Deep Rottom, Va., by a minnie ball, which fractured the head and neck of the femur. He was admitted



into hospital on the 22d of August. On the 27th of September a resection of the head of the femur was decided upon. He had greatly lost in flesh and strength since his admission, and seemed to be rapidly failing from the exhaustive suppurative discharge from the wound; extensive sloughing of the soft parts had supervened, and, upon the whole, the case was unfavorable and unpromising for so important an operation. Chloroform was administered, the patient placed upon his sound side, an incision four-and-a-half inches in length, extending from about two-thirds of an inch below the anterior superior spinous process of the ilium, towards the tuberosity of the ischium, crossing a transverse incision which had previously been made over the trochanter major to permit of a free exit of pus. The thigh was flexed and rotated inwards, the tendons of the muscles divided, and the chain saw passed under and between the head of the femur and the trochanter major, and the bone sawn through the neck, the soft parts being protected by spatulas; one inch of the trochanter major was removed by a small saw; no blood was lost. The patient survived the operation only thirty hours, dying from exhaustion. A postmortem examination revealed nothing worthy of note except slight necrosis of the acetabulum.

The following case of successful amputation at the hip joint is deserving of special mention. The sufferer has been operated upon six times, and still lives. To the surgical skill, and the kind and unremitting attention on the part of Dr. J. C. Morton, Executive Officer of the Hospital, the successful result is mainly due:

Eben E. Smith, private, Co. A, 11th Maine, single, aged 19, was admitted into U. S. A. General Hospital, Beverly, N. J., August 22, 1864, suffering from gun shot wound of right leg, received August 16, 1864, in the battle of Deep Bottom, Va. The ball passed from before backward, fracturing head of tibia. When admitted he suffered but little pain, although the joint was considerably swollen.

Sept. 12, 1864, secondary hemorrhage occurred. A careful examination was made, and it was deemed advisable to amputate, which operation was performed by the circular method, at the lower third of the thigh. Chloroform was administered, the patient reacted promptly. The patient did well until

October 17, 1864, when secondary hemorrhage occurred from the stump, at which time the femoral artery was ligatured in Scarpa's space, the ligature separated October 27.

November 5, end of femur protruding, about four inches of which was removed by the chain saw. Shortly after, the stump became swollen and abscesses began frequently to form. This state of things continued until Jan. 19, when, upon examination, the bone was found to be necrosed up to the trochanters. Amputation at the hip joint was deemed advisable, and performed by antero-posterior flaps.

January 27, hemorrhage again occurred from the stump, when the external iliac artery was ligatured. Feb. 17, the ligature separated. Feb. 19, profuse hemorrhage occurred from the lower end of the divided artery, and was controlled with great difficulty, owing to the many operations previously performed; pressure was maintained some fourteen days, after which the patient rapidly improved, and has now entirely recovered, (March 31, 1865.)

John Williams, private, Co. F, 13th Ohio, married, aged 44, was admitted into U. S. A. General Hospital, Beverly, N. J., October 7, 1864, suffering from gun shot wound of the left thigh, middle third, with partial fracture of femur; wound received Sept. 30, before Petersburg, Va. His general condition continued favorable until Feb. 1, when abscesses began to form in the upper part of the thigh, which discharged a large amount of feetid pus; at the same time the patient was attacked with a severe diarrhea.

Feb. 17, an examination was made and the femur was found necrosed as high as the trochanters. Amputation at the hip joint was considered the patient's only chance for life, and performed by antero-posterior flaps. The femoral artery was caught and tied as soon as divided, and before completing the amputation, by which but very little blood was lost. The patient reacted slowly for about twenty-four hours, when he began to sink, and died twenty-nine hours after the operation. An autopsy revealed nothing worthy of special mention

The preceding Report includes nearly all the capital operations that were performed at this Hospital, from the latter part of August, 1864, to March 1st, 1865.

A large number of minor operations, such as removal of fingers, toes, &c. were considered of not sufficient interest to report.